



**Bearing No. 62307-2RS1**

D	80 mm
d	35 mm
B	31 mm
Bore	1.378 Inch   35 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	80x35x31
Snap Ring	No
Enclosure	2 Seals
Inventory	0.0
Width (mm)	31
bore type:	Round
maximum rpm:	6000 RPM
Weight / LBS	1.519
Mass bearing	0.68 kg
D <sub>2</sub>	69.2 mm
Cage Material	Steel
closure type:	Double Sealed
d <sub>1</sub>	49.56 mm
Product Group	B00308
Inch - Metric	Metric
fillet radius:	1.5 mm
cage material:	Steel
overall width:	31 mm
bore diameter:	35 mm
Limiting speed	6000 r/min
Keyword String	Ball

Other Features	Cartridge Bearing
Enclosure Type	Contact Seal
Bearing number	62307-2RS1
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Outer Race Width	1.22 Inch   31 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	3.15 Inch   80 Millimeter
Long Description	35MM Bore; 80MM Outside Diameter; 31MM Outer Race Diameter; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
outer ring width:	31 mm
precision rating:	ABEC 3 (ISO Class 6)
Weight / Kilogram	0.69
outside diameter:	80 mm
D <sub>a</sub> max.	71 mm
r <sub>a</sub> max.	1.5 mm
d <sub>a</sub> min.	44 mm
Bore Diameter (mm)	80
d <sub>a</sub> max.	49.5 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Outer Diameter (mm)	35
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	1.5 mm
d <sub>a</sub> - min.	44 mm
D <sub>a</sub> - max.	71 mm

$d_a$ - max.	49.5 mm
$r_{1,2}$ min.	1.5 mm
$d_1$ ?	49.56 mm
$D_2$ ?	69.2 mm
static load capacity:	19 kN
row type & fill slot:	Single Row Non-Fill Slot
$r_{1,2}$ - min.	1.5 mm
dynamic load capacity:	33.2 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	62307-2RS1
Internal Special Features	No
Basic dynamic load rating C	33.2 kN
operating temperature range:	-40 to +210 °F
Basic dynamic load rating - C	33.2 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	0.815 kN
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13.1
Calculation factor - $k_r$	0.03
Calculation factor - $f_0$	13.1
Fatigue load limit - $P_u$	0.815 kN
Basic static load rating $C_0$	19 kN
Basic static load rating - $C_0$	19 kN